PATENCE Serial No. 10/540,635
Amendment in Reply to Office Action mailed on February 28, 2006

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (Currently Amended) Optical An optical device comprising: a polymer film (101) comprising a first surface (107) and a second surface (108), a first electrode (102) mapped on said first surface (107), a second electrode (103) mapped on said second surface(108), a deformable optical element (104) mapped on said first electrode (102) or on said first surface (107), wherein said deformable optical element is configured to deform substantially along at least one of a direction radial to an optical axis of said deformable optical element and a plane parallel to said polymer film.
- 2. (Currently Amended) Optical The optical device as claimed in claim 1, wherein said optical element (104)—is a circular lens

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or a diffraction grating.

- 3. (Currently Amended) Optical The optical device as claimed in claim 1 or 2, wherein said optical element (104) is made of silicone rubber or of cyclic olefin copolymer.
- 4. (Currently Amended) Optical The optical device as claimed in claim 1, 2 or 3, wherein said polymer film (101)—is made of silicone rubber or acrylic dielectric elastomer.
- 5. (Currently Amended) Optical The optical device as claimed in claim 1, 2, 3 or 4, wherein said first electrode (102) and said second electrode (103) have the shape of a circle.
- 6.(Currently Amended) Optical The optical device as claimed in claim 1, 2, 3 or 4, wherein said first electrode (102) and said second electrode (103) have the shape of a ring.
 - 7. (Currently Amended) Polymer An optical device comprising:
 a polymer film;

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a plurality of electrodes; and

an optical element in contact with the polymer film or at least one of said plurality of electrodes;

the polymer film (101) being sandwiched between the two electrodes (102, 103) intended and configured to receive a voltage difference, for deforming an the optical element (104) in contact with said polymer film (101) or said electrodes (102, 103), wherein the deformable optical element is further configured to deform substantially along at least one of a direction radial to an optical axis of the deformable optical element and a plane parallel to the polymer film.

8.(Currently Amended) Method A method of changing the optical characteristics of an optical element (104), said method comprising the steps acts of:

mapping a first electrode (102) on a first surface (107) of a polymer film (101),

mapping a second electrode (103) on a second surface (108) of said polymer film (101),

mapping said optical element (104)—on said first electrode

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(103) or on said first surface (107), and

applying a voltage difference between said first electrode (102) and said second electrode (103),

wherein, in response to said applying act, said optical element is configured to deform substantially along at least one of a direction radial to an optical axis of said optical element and a plane parallel to said polymer film.